INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/015328

- 31 4 66											
A. CLASS IPC 7	IFICATION OF SUBJECT MATTER H01L27/06 H01L27/088 H01L21/	/762 H01L21/8234									
According to International Patent Classification (IPC) or to both national classification and IPC											
	SEARCHED	ICELION BING IF C									
Minimum documentation searched (classification system followed by classification symbols) I PC 7 H01L											
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched .											
Electronic d	ata base consulted during the International search (name of data b	ase and, where practical, search terms used	d)								
EPO-Internal											
C. DOCUMENTS CONSIDERED TO BE RELEVANT											
Category °	Citation of document, with indication, where appropriate, of the n	elevant passages	Relevant to claim No.								
Х	US 2002/043699 A1 (AKIYAMA HAJIM 18 April 2002 (2002-04-18)	1-3									
Υ	paragraphs '0004!, '0005!, '00 paragraphs '0154! - '0290! figures 16-29	4–14									
Y	GB 2 310 081 A (* INTERNATIONAL CORPORATION) 13 August 1997 (199 page 1, line 1 - page 3, line 18 page 3, line 13 - line 18 page 9 - page 14 figures 3-5 figures 6-15	4–14									
P,X	US 2004/189353 A1 (HATADE KAZUNA 30 September 2004 (2004-09-30) the whole document	RI ET AL)	1-4								
X Furth	er documents are listed in the continuation of box C.	Patent family members are listed i	n annex.								
Special car	legories of clied documents :	*T* later document published after the inte	rnational filing date								
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the International *C* document defining the general state of the art which is not cited to understand the principle or theory underlying the invention *E* earlier document but published on or after the International											
"L" docume which i	filing date *L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another ditation or other special reason (as specified) *Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone document or other special reason (as specified) *Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the										
other n		document is combined with one or mo ments, such combination being obviou	re other such docu-								
later th	nt published prior to the international filing date but an the priority date claimed	in the art. "&" document member of the same patent	family								
Date of the a	ctual completion of the international search	Date of mailing of the International sear	rch report								
1	March 2005	08/03/2005									
Name and m	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Bernabé Prieto. A									

INTERNATIONAL SEARCH REPORT

International Application No PCT/JP2004/015328

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PC1/JP2004/015328		
Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
		Tools and to digit it to		
E	US 2004/232522 A1 (SHIMIZU KAZUHIRO) 25 November 2004 (2004-11-25) the whole document	1-14		
į				

1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/JP2004/015328

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002043699	A1	18-04-2002	JP	2002124681	Α	26-04-2002
GB 2310081	A	13-08-1997	DE FR IT JP JP SG US	19704995 2744835 MI970276 3214818 10027853 52915 5801418	A1 A1 B2 A	30-10-1997 14-08-1997 12-08-1998 02-10-2001 27-01-1998 28-09-1998 01-09-1998
US 2004189353	A1 .	30-09-2004	JP DE	2004296831 102004014744		21-10-2004 28-10-2004
US 2004232522	A1	25-11-2004	JP DE	2004349296 102004022376		09-12-2004 23-12-2004